

Some Nonlinear Boundary Value Problems in  
the Theory of a Maxwellian Body, by B. M.  
M Naimark, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 1, 1961, pp 63--.

AIP  
Sov Phys - Dok  
Vol VI, No 7

Sci

182, <sup>851</sup>~~663~~

Feb 62

Naimark, M. A.  
DECOMPOSITION OF A TENSOR PRODUCT OF  
IRREDUCIBLE REPRESENTATIONS OF THE PROPER  
LORENTZ GROUP INTO IRREDUCIBLE REPRESENTA-  
TIONS. III. THE CASE OF A TENSOR PRODUCT OF  
REPRESENTATIONS OF THE SUPPLEMENTARY  
SERIES (Razlozhenie Tenzornogo Proizvedeniya  
Neprirodnykh Predstavlenii Sobstvennoi Gruppy  
Lorentsa na Neprirodnyye Predstavleniya. III. Sluchai  
Tenzornogo Proizvedeniya Predstavlenii Dopolnitel'noi  
Serii)

N. Stein, tr. 1964, 41p briefs  
Order from AMS in American Mathematical Society  
Translations, 1964, ser. 2, v. 36, p. 189-229

Trans. of Moskovskoei Matematicheskoei  
Obshchestvo (USSR) 1961, v. 10, p. 181-229.

(Mathematics, TT, v. 12, no. 2)

TT-64-22135 (p. 189-229)

I. Naimark, M. A.  
II. Title: Case...  
III. Title: Sluchai...  
IV. American Mathematical  
Society, Providence, R. I.

56245

Office of Technical Services

TT-64-22744

Naimark, M. A.  
NORMED RINGS  
L. F. Boron, tr. 1964, iv.  
Order from Stachert Hather Service Agency Inc.,  
31 East 10th St. New York 3

Trans. of mono. [Normirovannye Kol'tsa, Moscow,  
1956, 487p].

I. Naimark, M. A.  
II. Noordhoff (P.) Ltd.,  
Groningen (Netherlands)

174489

(Mathematics, TT, v. 12, no. 7)

Office of Technical Services

Linear Representations of the Lorentz  
Group, by M. A. Mairmark.  
RUSSIAN, bk, 1964,  
Pergamon Press, London  
NIL

*M.A. Mairmark*

Sci-Math & Data  
May 66

300,404

Normed Rings, by M. A. Naimark, 542 pp.

RUSSIAN, bk, 1960.

SHSA, Inc.

Sci

Apr 64

Isomorphic Representations of Rings and Groups, by  
M. A. NEIMARK, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CCXXVII,  
Nos 1-6, 1961, pp 278-281.

Amer Math Soc  
Sov Math  
Vol II, No 2

Sci

172,587

Oct 61

Spectral Analysis of Non-Selfadjoint Operators,  
by M. A. Naimark.

RUSSIAN, per, Uspekhi Matemat Nauk, Vol XI, No 6(72),  
1956, pp 183-202.

Amer Math ~~SMS~~Soc

Sci-Math

Sep 63

344,229

Some Criteria for the Completeness of a System  
of Characteristic and Adjoint Vectors of Linear  
Operators in Hilbert Space, by M.A. Naimark.  
RUSSIAN, per. Doklady Akad. Nauk SSSR, Vol 98,  
No 9, 1954, pp 727-730. 108

\*ABC

*M. A. Naimark*

Sci/Mathematical Sci  
Oct 66



Sci/Math

C

Rings With Involutions, by M. A. Maimark.RUSSIAN, no per, Uspekhi Matemat Nauk, Vol III, No 5 (27),  
1948.

AEC Tr 271

*Am Math Soc Tr T-18**AS306*

Oct cts

Normed Rings, by Prof M. A. Naimark.

RUSSIAN, bk,

P. Noordhoff, Ltd.  
Foreign Department  
P. O. Box 39  
Groningen - The Netherlands

Sci - Mathematics  
Jan 60

Linear Lorentz Group Representations, by  
M. A. Naimark,

RUSSIAN, bk.

\*Pergamon Press

Aug 59

*American Math Soc*

Unitary Representations of Semisimple Lie Groups.  
Part I, by M. A. Baimark.

Full translation.

RUSSIAN, par. Matemat Sborn, USSR, Vol XXI, No 3,  
1947, pp 405-434. (42 pages)

AMS Tr 1251

Scientific - Mathematics

*Am Math Soc Tr 1664*

*AS305*

On Unitary Representations of Solvable Groups in Spaces  
with an Indefinite Metric, by M. A. Nainark, 16 p.  
RUSSIAN, per, Izvestiya Akademii Nauk SSSR, Seriya  
Matemat. 27, 1963, pp 1181-1185.

Am Math Soc  
Vol XLIX, Ser 2

M. A. NAINARK

Sci-Math  
Jan 66

302,583

R-393/62

Races of Burma, by B. A. Min Naing. 30 pp.

BURSE, per, Ministry of Union Culture, 30 pp.

BURMESE

JPRS/SREKIAK (Dc-8202)

FE - Burma

Geog

5 Nov 62

*Carbon copy  
2/2/70*

R-393/62

Races of Burma, by B. A. Min Naing, 30<sup>p</sup> ~~pp~~

BURMESE, per, Ministry of Union Culture, 30 pp.

*JPRS/DC-8202*

FE - Burma

Geog

5 Nov 62

Determination of the Interstitial Distribution  
of Cations From Tern Splitting in Complex Oxides,  
by A. N. Men', V. E. Naish, 12 pp.

RUSSIAN, per, Fizika Tverdogo Tela, Vol V, No 9,  
1963, pp 2477-2489.

Amer Inst of Phys  
Sov Phys - Solid State  
Vol V, No 9

Sci  
Apr 64

254,540



Ultrasonic Preparation of a Suspension of Magnesium  
Oxide in Carbon Tetrachloride, by A. M. Ginberg,  
A. A. Naishuler, 4 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXIII, No 8,  
1960, pp 1729-1732.

CB

icf

16,085-

Jul 61

Naishstein, S. Ya., Dyatlovitskaya, F. G., Lisovskaya, E. V., Petrov, Yu. I., and Surkina, R. M.  
EXPERIMENTAL DETERMINATION OF THE LIMIT  
OF ALLOWABLE SULFONATE-ESTER CONCENTRA-  
TION IN NATURAL BASIN WATER. [1964] 7p 10refs  
Order from OTS \$3.00 in TT-61-31601-5 (p. 76-82)

Trans. from mono. [Sanitarnaya Otkhrana Vodoemov ot  
Zagryazneniya Promyshlennymi Stokhnymi Vodami.  
Predel'no Dopustimye Kontsentratsii Vrednykh  
Veshchestv v Vodoemakh, vyp. 5, Moscow] n.d.  
(Abstract available)

DESCRIPTORS: Hydrology, \*Water supplies, Con-  
tamination, \*Wastes (Industrial), \*Pesticides, Sulfonic  
acids, Esters,

Analysis of results of the above described organoleptic,  
general sanitary and sanitary-toxicological experiments  
clearly indicated the limit of allowable sulfonate-ester  
(Engineering--Sanitation, TT, v. 11, no. 7) (over)

TT-61-31601-5 (p. 76-82)

- I. Title: Ovotran
- I. Naishstein, S. Ya.
- II. Dyatlovitskaya, F. G.
- III. Lisovskaya, E. V.
- IV. Petrov, Yu. I.
- V. Surkina, R. M.
- VI. Public Health Service,  
Washington, D. C.

73519

Office of Technical Services

Ethylenimine. I. Addition Reaction  
Products Between Ethylenimine and  
Vinyl Compounds, by T. Yoshida, K. Naito.  
JAPANESE, per, Kogyo Kagaku Zasshi,  
Vol LV, 1952, No 7, pp 455-457.  
# SLA TT 64-20956

*K. Naito*

Sci  
May 67

327,193

Effect of Polymerization Conditions of Vinyl  
Acetate on the Branching of Polyvinyl Alcohol,  
by J. Ukida, R. Maito, T. Kominami, 10 pp.

JAPANESE, J Soc Chem Ind Japan, Vol LVIII, No 2,  
1955, pp 128.

SIA Tr 2476

Sci - Chemistry

59,310

Sep 57

UCHINO Senji  
HAITO Ryochi  
SAPAI Tsuneo  
ENDO Takeshi

Jap Army Med School  
Immunol Lab  
7 Feb 1940

Toxicology

"Experimental Research on the  
Toxicity of Supersonic Cholera  
Vaccine (USV)"

Scientific

Japan

FDB 196025-18

OO-W-760, 7 pp

A-2173

Japanese

CONFIDENTIAL

Studies on Cholecystokinin; its Mode of Action on  
Gallbladder Contraction, by S.Naito and R.Ivata.  
FRENCH, per, la Presse Medicale, Vol.71, No.55,  
pp.2688-2689, 1963.  
SLA-TT-66-11644

*S. Naito*

B/M  
Aug 66

308,972

Experimental Pancreatic Damage Due To Methionine  
Analogues, by M. Oda, S. Naito.

JAPANESE, per, Gogo Igaku, Vol XI, No 2, 1954,  
pp 143-146.

NRH 10-20-62

Sci - Med

Dec 62

218,895

TT-65-14253

Field 7B

Naito, T.  
STUDIES ON OXIDATION BY CHLORINE DIOXIDE AND  
SODIUM CHLORITE. 5. REACTION BETWEEN SODIUM  
CHLORITE AND SODIUM HYPOCHLORITE IN THE PRE-  
SENCE OF REDUCING AGENTS. 10p (foreign text  
included) 2 refs.  
Order from SLA: \$1.10 as TT-65-14253

Trans. of Kogyo Kagaku Zasshi (Japan) v65 n12 p1916-8  
1962.

AOL5403

1. Title: Reaction ...

MR 677



|                                                                                                                                                                                                                                         |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| TT-65-14252                                                                                                                                                                                                                             | Field 7B               |
| <p>Naito, T.<br/>STUDIES ON OXIDATION BY CHLORINE DIOXIDE AND<br/>SODIUM CHLORITE, 5. REACTION BETWEEN KI AND<br/>ClO<sub>2</sub>, NaClO<sub>2</sub>. 22p (foreign text included) 3 refs.<br/>Order from SLA: \$2.60 as TT-65-14252</p> | 1. Title: Reaction ... |
| <p>Trans. of Kogyo Kagaku Zasshi (Japan) v65 n12 p1911-6<br/>1962.</p>                                                                                                                                                                  |                        |
| A305204                                                                                                                                                                                                                                 |                        |
|                                                                                                                                                                                                                                         | MR 677                 |

The Distribution of Histidinase-Carboxylase in Various Areas of the Central Nervous System and the Effect of Some Narcotics and Analeptics on the Enzyme Activity, by T. Naoto, K. Kuriaki, 9 pp.

GERMAN, per, Archiv fuer Experimentelle Pathologie und Pharmacol, Vol CCXXXII, 1958, pp 481-486.

MIN 4-17-61

Sci - Med  
Jul 61

158,330

J-96/62

Overcoming of Dogmatism Is the Pressing Need in  
the Unification on the International Communist  
Movement, by Naito Tomochika. (DC-8420)

JAPANESE, np, Atarashii Rosen, 20 Dec 1962, p 1.

\*JPRS

FE - Japan  
Pol  
5 Feb 63

TT-65-14253

Field 7B

Natto, T.  
STUDIES ON OXIDATION BY CHLORINE DIOXIDE AND  
SODIUM CHLORITE, 5. REACTION BETWEEN SODIUM  
CHLORITE AND SODIUM HYPOCHLORITE IN THE PRE-  
SENCE OF REDUCING AGENTS. 10p (foreign text  
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Order from SLA: \$1.10 as TT-65-14253

Trans. of Kogyo Kagaku Zasshi (Japan) v65 n12 p1916-8  
1962.

1. Title: Reaction ...

MR 677

- TT-65-14252

Field 7B

Natto, T.  
STUDIES ON OXIDATION BY CHLORINE DIOXIDE AND  
SODIUM CHLORITE. 5. REACTION BETWEEN KI AND  
ClO<sub>2</sub>, NaClO<sub>2</sub>. 22p (foreign text included) 3refs.  
Order from SLA: \$2.60 as TT-65-14252

Trans. of Kogyo Kagaku Zasshi (Japan) v65 n12 p1911-6,  
1962.

I. Title: Reaction ...

MR 677

Najberg, M.

POLISH, bk, Normalizacja Koksu z Wegla Kamiennego  
Normalizacja, Rok XXII, Zeszyt 11, pp. 503-509.

\*PL 480

OTS 61-11351

1961

A Contribution to Laboratory Investigations on  
the Coefficient of Lateral Pressure of Silts,  
by Wladyslaw Wedzinski, Janusz Najder, 6 pp-

POLISH, per, Rozprawy Hydrotechniczne, No 4,  
1958, pp 169-180. RIR 9206575

PL-480  
OTS 61-31313

Sci - Biol & Med Sci  
Jun 63

234,492

(FDD 20711)

Goals of the Mining Industry for 1954 in the  
Lights of the Theses of the Ninth Plenum of  
the KC PZPR (Poland), by L. Najler, 33 pp.

POLISH, no per, Gospodarka Gornictwa, Vol IV,  
No 1, Warsaw, Jan 1954, pp 1-10.

CIA/FDD/U-5809

ESur - Poland  
Econ

19,150



Contribution to the Study of Cyclic Organic Carbonates and Their Derivatives, PT 1. Preparation of Internal Carbonates of Propylene Diol-1,2, of by Butylene Diol-2,3, and its Action on Amines: Methyl-1 Hydroxyethyl & Carbonates, Methyl-1 Hydroxy -2 Propyl Carbonates, by Henry Nager, Pierre ~~CHABRIER~~ Chabrier, ~~RENE~~ Rene ~~GIUDICELLI~~ Giudicelli, Spp FRENCH, per, Societe Chimique de France, Bulletin, 1954, No 9, pp 1142-1148  
SLA TT-64-20555

*Henry Nager*

SETTE

(NY-4192)

Advance in Research on the Effectiveness of  
Foreign Trade, by Bronislaw Najmiger, 11 pp.

POLISH, per, Gospodarka Planowa, Vol XV, No 2,  
Warsaw, 1960, pp 37-41.

JPRS 5535

EEur - Poland

126,062

SERIES

(NY-3549)

Research Methods on the Effectiveness of Foreign  
Trade, by Bronislaw Najmiger, 26 pp.

POLISH, per, Gospodarka Planowa, Vol XV, No 1,  
1960, Warsaw, pp 27-36.

JPRS 5261

EEur - Poland

Econ - Foreign Trade

Aug 60

123,010

Obtaining High Temperatures by Means of a Spark  
Discharge, by M. P. Vanlukov, A. A. Nak, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIII,  
No 8, 1959, pp 962-964.

Columbia Tech

Sci

Oct 60

130,289

Browning of Apple Fruit. Part I. Isolation  
and Estimation of Chlorogenic Acid and L-epi-  
Catechin in Apple Fruit, by T. Nakabayashi.

JAPANESE, per, Bulletin Agricultural ~~Sci~~ Chem-  
ical Society of Japan, Vol XXVII, 1953,  
pp 813-818.

CSIRO

Sci - Chem

192,726

Apr 62

Molecular Compounds of Organic Zinc Salts and  
Organic Bases, by S. Tsurugi, T. Nakabayashi, 9 pp.

JAPANESE, per, Society of Rubber Industry of  
Japan Journal, Vol XIV, 1952, pp 267-270.

S.I.A. Tr 1304

Sci - Chemistry  
Jan 57 OTS

42,601

Nakabayashi, Toshio and Hada, Norimasa.  
ISOLATION OF TANNINS. Pt. 1 of Studies on Tannins  
of *Spirogyra Arcta*. [1962] 14p.  
Order from K-H \$17.50 K-H 3629-b

Trans. of [Nihon Nogei-Kagakkai Shi] (Japan) 1954,  
v. 28, p. 387-391.

DESCRIPTORS: Separation, \*Tannic acids, \*Algae.

62-22599

- I. Nakabayashi, T.
- II. Hada, N.
- III. Title: Studies ...
- IV. K-H-3629-b
- V. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

0257267

(Biological Sciences--Biochemistry, TT, v. 9, no. 2)

Office of Technical Services

Evaluation of the Volume of a Point of Fission in  
Uranium, by Y. Quere, F. Nakache, 8 pp.  
FRENCH, per, Journal of Nuclear Materials, Vol I,  
1959, pp 203-209. 9223479  
AEC-Tr-6460

32

Sci-Mar & Met  
Oct 64

267,339



Nakada, Ichiro.  
THE GROWING OF ANTHRACENE SINGLE  
CRYSTALS. [1962] 14p. 7 refs.  
Order from SLA \$1.60

62-10686

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64,  
no. 7, p. 1218-1221.

DESCRIPTORS: \*Anthracenes, \*Single crystals,  
Crystallization, Scintillation counters.

The growing of single crystals of 2.5 cm diameter  
and height, as scintillators for radiation measure-  
ment, was attempted. The Bridgman method of grow-  
ing spontaneously with a capillary tube was unsuitable  
for substances such as anthracene, whose inter-  
molecular force is weak and which is markedly ani-  
sotropic. By one method, a crystal tube only for seed,  
of about 1 cm diameter, was prepared separately  
(Physics--Solid State, TT, v. 8, no. 10) (over)

62-10686

I. Nakada, I.

C226192

Office of Technical Services

Recombination of Hydrogen Atoms on Metal Surfaces.  
I. Recombination on the Surface of Vaporplated  
Copper, Silver, and Sodium, by K. Nakada, T.  
Sugiyama, S. Shida, 23 pp.

JAPANESE, per, Chem Soc Japan, Pure & Chem Sect,  
476, 1955, pp 64-69.

SLA 58-31

Sci

Jul 59

92,417

Atmospheric Variation Systems and Procedure  
for Their Analysis, by Y. Nakada,

FOR OFFICIAL USE ONLY

JAPANESE, per, Kishe Kenkyo Jiho, Vol XV, No 8,  
1963, pp 6-13. 200022366

NSIC-569

*y Nakada*

Sci-Ear Sci & Ocean  
Sept 66

309,112

Study of Cyanic Acid Synthesis in a Fluidized-Bed  
Reactor, by M. Otake, M. Nakagawa, et al.  
JAPANESE, per, Kogyo Kagaku Zasshi, Vol LIX,  
No 2, 1956, pp 151-154.  
NASA TT F-8495

Sci - Chem

Mar 64

U. S. GOVERNMENT ONLY

251,947

Study of Cyanic Acid Synthesis by Fixed Catalytic Method,  
by M. Otake, M. Nakagawa, et al.  
JAPANESE, per. Kyoto Kagaku Zasshi, Vol LIX,  
No 1, 1956, pp 121-124.  
NASA TT F-8494

Sci - Chem

Mar 64

U. S. GOVERNMENT ONLY

251,946

12 861

Fr-11

NAKAGAWA R., OTOGURO Y., TSUCHIYA T.

Influence of niobium on the thermal properties of austenitic steels

Influence du niobium sur les propriétés à chaud des aciers austénitiques

Tetsu to Hagane, 45, No. 11, 1276-1281 (1959)

U.535-U. 464 - French

E u r a t o m

Effect of Molybdenum Upon Properties of 18% Cr-12% Ni  
Stainless Steel, by R. Nakagawa, Y. Otaguro.

JAPANESE, per, Tetsu to Hagane, Vol XLVI, No 3,  
1960, pp 377-379.

HB 5216

Sci - Chem

Aug 61

163,824

Effect of Tungsten on the Characteristics of 18  
Percent Cr, 12 Percent Ni Stainless Steel, by  
R. Nakagawa, Y. Otaguro.

JAPANESE, per, Tetsu to Hagane, Vol ~~XXI~~ XLVI,  
No 3, 1960, pp 575-577.

HB 5064

Sci - Chem

Apr 61

147,464



Effect of Delta Ferrite on Properties of Chrome-  
Nickel Stainless Steels, by R. Nakagawa, Y. Ootoguro.

JAPANESE, per, Tetsu to Hagane, Vol XLVII, No 3,  
1961, pp 554-556.

HB 5173

Sci

170,133

Sep 61

Effect of Vanadium, Aluminum and Zirconium Upon  
the Properties of 18% CR, 12% Ni Austenitic  
Stainless Steel, by R. Nakagawa, Y.  
Otoguro. ---

JAPANESE, por, Tetsu to Hagane, Vol XLVII,  
No 6, 1961, pp 828-833.

HB 5594

Sai - Min/Mst  
Dex 62

217,455

Effects of Composition and Structure on the  
Properties of Chrome-Nickel Stainless Steels With  
Special Reference to Titanium and ~~XXXXX~~Columbium  
Additions, by R. Nakagawa, et al.

JAPANESE, per, Tetsu to Hagane, Vol XLVIII,  
No 11, 1962, pp 1500-1502.

HB 6028

Sci-M/M

Aug 63

343,477

Diffusion-Type Silicon Controlled Recti-  
fies, by T. Nakagawa.  
JAPANESE, per, Toshiba Review, Vol16,  
1961, pp 1358-1362.  
\*NASA TT F-12,141

104

~~104~~

T. Nakagawa

Sci-Phys  
Feb 69

The Chemistry of Bacillus Mallei: I. The Lipoids of Bacillus Mallei, by M. Umezumi and II. Injection in Animals, by T. Motida, T. Nakagawa, M. Umezumi, 14 pp.

JAPANESE, Reports of Manchukuo Institute of Scientific Research, Vol IV, No 15, 1940, pp 273-282, Vol IV, No 16.

Def Sci Info Svc T 35 J

Scientific - Biology

8325

CIA 2010004

*See 53 CTS*

The Influence of the Number of Impacts in  
Pulverization, by Y. Nakagawa, K. Matsui, 15 pp.

JAPANESE, per, Kagaku Kagaku, Vol XXI, 1957,  
pp 810-816.

ABC NP Tr-541

Sci - Mac Phys  
May 61

*Agst Intercom*  
TN7 E57 No 433

150,373

NLL 10.333

Effect of Carbon, Silicon, and Manganese Upon  
the Absorption of Nitrogen by Liquid Iron, by  
Y. Nakagawa, S. Maekawa.

JAPANESE, per, Tetsu to Hagane, Vol XLV,  
No 3, 1959, pp 255-257.

HB 4817

Sci - Min/Met

Jun 60

118,422

Magnetic Properties of Dilute Alloys of  
Transition Metals, by Yasuaki Kabagawa, 26 p.

JAPANESE, per, Kinsoku Butsuri, 1958, Vol IV,  
No 5, pp 193-290.

SLA 59-15579

Sci  
Jan 60  
Vol 2, No 6

103,737



59-19361

Nakagome, J.  
COMPARISON OF VARIATIONS OF FISHING CON-  
DITION IN A WHOLE YEAR AMONG EACH SUBAREA  
AND MIGRATION OF FISH GROUPS IN THE SOUTH-  
ERN PART OF THE PACIFIC OCEAN, tr. by Grace  
Y. Beard. 31 Aug 59, 5p. (5 figs. omitted) 5 refs.  
Order from LC or SLA ml\$1.80, ph\$1.80 59-19361

Trans. of [Nihon Suisan Gakkaishi] (Japan) 1959, v. 24,  
no. 12, p. 957-960.

(Biological Sciences--Zoology, TT, v. 5, no. 3)

1. Fishes--Pacific Ocean
2. Fishes--Ecology
1. Nakagome, J.
- II. Fish and Wildlife Service,  
Washington, D. C.

Office of Technical Services

1-11-61

Nakaguchi, Kohel, Ando, Tatsuo and Sano, Takeso.  
METHOD OF MANUFACTURING CRYSTALLINE  
PROPYLENE POLYMER HAVING CONTROLLED DE-  
GREE OF POLYMERIZATION. July 63, 9p.  
Order from SA \$19.00 SA Code-P-123

Trans. of published Japanese patent 4642/1962,  
cl. 26-B-11 (13-F-1) appl. no. 41169/1959 [filed]  
28 Dec 59, pub. 15 June 62, by Sumitomo Kagaku Kogyo  
Co., Ltd.

DESCRIPTORS: \*Polyethylene plastics, Manufacturing  
methods, \*Propene, Polymerization, Metalorganic  
compounds, \*Ziegler catalysts, \*Aluminum compounds,  
Ethyl radicals, Titanium compounds, Cadmium com-  
pounds, Zinc compounds, Halides

(Materials--Plastics, TT, v. 10, no. 7)

63-17907

1. Title: Polypropylene
- I. Nakaguchi, K.
- II. Ando, T.
- III. Sano, T.
- IV. Patent (Japan)  
pub. 37-4 642
- V. SA Code-P-123
- VI. Seisaburo Aoki (Japan)

A247222

Office of Technical Services

62  
Studies on Acetone-Butanol Fermentation with  
Sucrose as Starting Material. Part I, by  
Y. Nakahama, Y. Harada.

JAPANESE, per, Nihon Kagaku Kagakini-shi,

Vol 23, 1969, pp 176-180.

NLL Ref: 5809.95 (2/6022)

*Y. Nakahama*

Sci-B&H

Oct 69

395,215

Nakahara, K., Nagao, Y., and Ogawa, W.  
ON THE METHODS OF ABRASION TEST OF  
RUBBER, I. [1961] [12]p. 6 refs.  
Order from SLA \$1. 60

61-16093

Trans. of Nihon Gomu Kyokaiishi (Japan) 1958, v. 31,  
p. 961-965.

DESCRIPTORS: \*Rubber, \*Abrasion, \*Test methods.

When conducting an abrasion test on rubber, three factors, namely, the coefficient of friction, load, and slip velocity should be considered as primary factors. Abrasion tests were conducted at different loads and slip velocities with a newly manufactured abrasion tester which is capable of measuring power and changing speed. It was found from the test results that, when load and abrasive are constant, the relationship between slip velocity change and wear tendency can be represented by a line  $A_L/P = KV^n$ , where  $A_L$  is abrasion loss; p is power; V is slip velocity; and K, n are (Materials--Rubber, TT, v. 6, no. 5) (over)

61-16093

I. Nakahara, K.  
II. Nagao, Y.  
III. Ogawa, W.

Office of Technical Services

A Trip to India and the Philippines, by K. Kakahara,  
3 pp. UNCLASSIFIED

JAPANESE, per, The Fuji, Aug 1957, p 5.

USASIA Tr 977/2

NE/A - India  
FE - Philippines

Feb 58

59,224

The Influence of Hinokition on Anaerobic Bacteria;  
by Korihiro Sakabara.

JAPANESE, per, Igaku to Seibutsugaku, No 14, 1948.

NIH 3-7-63

Sci - Biol/Med Sci

Jul. 63

235,615

Part I - Studies on Delay Powder Measurements of  
Temperature of Combustion of Delay Powder, by  
Shoji Nakahara, Tsutomu Hikita, 8 pp.

JAPANESE, per, Industry Explosive Society of Japan,  
1959, pp 275-279.

319th MI Bn  
I-1955  
ID 2203235

Sci - Nuc Phys  
Nov 62

2.16 743

Combustion Pressure of Delay Powders, Pt II,  
by Shoji Nakahara, Tsutomu Hikita, 8 pp.

JAPANESE, per, Industry Society of Japan, 1959,  
pp 356-360.

319th MI Bn  
I-1956  
ID 2203236

Sci - Nuc/Phys

212,559

15 Oct 62



A Combustion Mechanism of Delay Powders, Pt III,  
by Shoji Nakahara, Tsutomu Hikita, 10 pp.

JAPANESE, per, Industry Explosive Society of  
Japan, 1960, pp 2-8.

319th MI Bn

I-1957

ID 2203237

2/2,566

Sci - Nuc/Phye  
15 Oct 62

Part VI - Theory of Combustion Propagation  
Velocity of Delay Powders, by Shoji Nakahara,  
25 pp.

JAPANESE, per, Industry Explosive ~~ENGINE~~ Society of  
Japan, 1960, pp 363-374.

~~XXXXXXXX~~ 319th MI Bn  
I-1958  
ID 2203238

216,804

Sci - Nuc Phys  
Nov 62

T47

E57

no.

660

Nakahara, Shoji

Studies on delay powders, by Shoki Nakahara, and, Tsutomu Hikita. Washington, HQ, Dept. of the Army, Office, Assistant Chief of Staff for Intelligence, 1962.

8 p. 35 cm. (English translations of literature relating to mineral industries. No. 660,)

Translated from the Japanese.

From Enjiyaku ni kansuru kenkyu.

I. Explosives.  
jt.auth. II. Title  
(Series)

I. Hikita, Tsutomu,  
: Delay powders.

III

J  
Activation Analysis of Short Life  
Nuclides: II, by Nakai, 7 pp.  
JAPANESE, per, Nippon Kagaku Zasshi,  
Vol LXXXI, 1960, pp 164-167.  
ACSI J-8123  
ID 2204031466

84

*Nakai*

Sci-Phys  
Jul 66

304,240

The Course of Fiber Formation From Viscose;  
Mechanism of Coagulation, by A. Nakai,  
13 pp.

JAPANESE, per, Sen-i Gakkaishi, Vol XV,  
1959, pp 527-531.

SLA 60-10150

Sci  
Mar 62  
Vol IV, No 2

*188,838*

Nakai, Akiyoshi.

THE COURSE OF FIBER FORMATION FROM VIS-  
COSE: MECHANISM OF SKIN-CORE DIFFERENTIA-  
TION. [1961] [34]p. 24 refs.  
Order from SLA \$3. 60

61-16580

Trans. of Sen-i Gakkaishi (Japan) 1959, v. 15, no. 9,  
p. 708-715.

DESCRIPTORS: \*Synthetic fibers, Production, \*Cellu-  
lose, Processing, Coagulation, Fibers.

Cross-sectional sections of filaments which had been  
spun out into several types of coagulation baths were  
observed under polarized light, and their cross-  
sectional orientative property was sought. From in-  
formation thus obtained, we have explained the com-  
pressive orientation effect and stretching orientation  
effect which accompany contraction in the course of  
viscose fiber formation, in their relationship with the  
coagulation mechanism. We have explained the mecha-  
(Materials--Textiles, TT, v. 6, no. 5) (over)

61-16580

I. Nakai, A.

Office of Technical Services

Nakai, Akiyoshi.

STUDIES ON MODEL CELLULOSE GELS COAGULATED BY TWO-BATH TREATMENT FROM VISCOSE. Rept. no. 1 of Coagulation Effect on Structures of Regenerated Cellulose. [1961] [21]p. 15 refs. Order from SLA \$2.60 61-16581

Trans. of Sen-I Gakkaishi (Japan) 1959, v. 15, no. 2, p. 90-94.

DESCRIPTORS: \*Cellulose, \*Gels, Analysis, \*Cellulose chemistry, Coagulation.

The present examination refers to cellulose gels coagulated freely by the procedure by which the formation process is broken up into individual phases: (1) gelatinization of viscose, and (2) regeneration of this xanthate gel to cellulose itself. Fine structures of both fresh and dry gels, such as equilibrium absorption of dye, accessibility and lateral-order distribution, were investigated with regard to various conditions of  $\text{Na}_2\text{SO}_4$  (Materials--Textiles, TT, v. 6, no. 5) (over)

61-16581

I. Nakai, A.  
II. Title: Coagulation...

Office of Technical Services

Nakai, Akiyoshi.  
BEHAVIOR OF MODEL FILAMENTS DURING GELATINATION AND REGENERATION IN RELATION TO THE STRUCTURE OF THEIR PRIMARY CELLULOSE XANTHATE GELS. [1961] [10]p. 6 refs.  
Order from SLA \$1.10

61-16579

Trans. of [Sen-i Gakkaishi] (Japan) 1959, v. 15, no. 1, p. 9-12.

DESCRIPTORS: \*Cellulose, \*Gels, Analysis, Physical properties, \*Cellulose chemistry, Coagulation, Filaments, Fibers, Regeneration.

The physical properties and behaviours of the isotropic xanthate filaments during their gelatination, conversion to cellulose, and drying, were studied, in relation to the means by which coagulation is brought about (coagulant, temperature, degree of ripeness of viscose). The following are examined: shrinkage behaviours during each process, diffusion rate of regenerating solution. (Materials--Textiles, TT, v. 6, no. 5) (over)

61-16579

1. Title: Gelatination  
1. Nakai, A.

Office of Technical Services



61-16578

I. Nakai, A.

Nakai, Akiyoshi.  
ON DETERMINING THE CRYSTALLINITY OF CELL-  
ULOSE FIBERS ON WHICH COHESIVE STRUCTURES  
ARE NOT SET IN STABLE STATE. [1961] [9]p.

6 refs.

Order from SLA \$1.10

61-16578

Trans. of [Sen-i Gakkaishi] (Japan) 1959, v. 15, no. 1,  
p. 13-15.

DESCRIPTORS: \*Cellulose, \*Rayon fibers, Crystalliz-  
ation, Hydrolysis.

By measuring the crystallinity of several viscose rayon  
fibers whose stability of cohesive structure varies  
radically by the acid hydrolysis method and iodine ab-  
sorption method the feasibility of this method was es-  
tablished. During acid hydrolysis the recrystallization  
of the fibres depended greatly on the stability of the  
cohesive structure.

Office of Technical Services

(Materials--Textiles, TT, v. 6, no. 5)

Nakai, Akiyoshi and Yoshikawa, Seibel.

SOME RESULTS OF HEAT-TREATMENT OF POLY-  
PROPYLENE FIBERS. Rept. 1 of Study on Heat-Treat-  
ment of Polypropylene Fibers. Oct 62, 11p. (figs.  
omitted) 6 refs.

Order from SA \$18.00

SA Code-S265

Trans. of Sen-i Gakkaishi (Japan) 1961, v. 17, no. 10,  
p. 997-1001.

DESCRIPTORS: \*Synthetic fibers, \*Propenes, Polymers,  
Heat treatment, Physical properties, Molecular  
structure, Glycols, Ethylenes.

(Materials--Textiles, TT, v. 8, no. 12)

62-34462

- I. Nakai, A.
- II. Yoshikawa, S.
- III. Title: Study...
- IV. SA Code-S265
- V. Seizaburo Aoki (Japan)

1236402

Office of Technical Services

Patho-physiological Study of Diffuse Endocrine  
System. I. Several enzymes, by Genyu NAKAI,  
Yoriaki, KURATA, 4 pp. (File)

(File)  
JAPANESE, par, Nihon Hyori Gakkai Kaishi,  
Vol XXXVIII, No 1-6, 1949, p 108.

S. L. A. Tr 636/56

38, 3/0

Sci - Medicine  
Aug 56 CTS/dex

Treatment of Some Melts With Low Ultra-  
sonic Energy, by Y. Nagano, K. K Nakai.

JAPANESE, per, Tetsu To Hagane,  
Vol XLVI, No 10, 1960, pp 1209-~~20~~ 1211.

HB 5217

Sci - Electron  
Dec 61

*175,003*

50.  
The use of Radioactive Elements. I.  
Synthesis of  $\beta$ -Diethyl-Aminooethyl  
Xanthone -9- [  $^{14}\text{C}$  ] Carboxylate  
Methobromide, by R. Nakai, M. Sugii,  
et al.  
JAPANESE, per, Yakugaku Zasshi, vol LXXV,  
1955, pp 1014-1015.  
\*AEC LS/G/ 2399

*R. Nakai*

Sci- Chem  
Jul 66

Separation par Recul des Elements Lourds tels  
que l'Uranium et le Neptunium d'Avec Leurs Produits  
de Fission, (Recoil Separation of Heavy Elements  
Such as Uranium and Neptunium From Their Fission  
Products), by T. Nakai, S. Yakima, 8 pp.

JAPANESE to FRENCH, per, Nippon Kagaku Zasshi,  
Vol LXXIX, 1958, pp 1267, 1268.

Reverse trans  
CEA tr X-145

Nov 59

Determination of Arsenic and Antimony in Biotinides  
by Neutron Activation, by Hiroshi Hamaguchi',  
Toshio Nakai, et al, 13 pp.

JAPANESE, per, Nihon Kagaku Zasshi, Vol LXXXII,  
No 11, 1961, pp 1485-1489. 9208804

AEC-NP-Tr-1015

Sci - Nucl Sci

Jul 63

235,673

Importance of Isotopes in Medicine, by M. Nakaizumi.

JAPANESE, paper P/1062, Proceedings of International  
Conference on Peaceful Uses of Atomic Energy Held  
at Geneva 8-20 Aug 1955, Vol X.

Internatl Conf -- UN

Sci - Nuclear Physics

CIA 1-669.9.162

52,694



Application of Nuclear Energy in the Solution of  
Special Problems in Biomedical Research, by M.  
Nakaidzumi.

JAPANESE, paper P/1065, Proceedings of International  
Conference on Peaceful Uses of Atomic Energy Held  
at Geneva 8-20 Aug 1955, Vol X.

Internatl Conf -- UN

Sci - Nuclear Physics

CIA 1-669.9.162

52,696